drug administration library **23006** may be downloaded into the pumps **23022**, **23024**, **23026**. The pump software **23008** may be used to update the software of the pumps **23022**, **23024**, **23026**.

[0908] The device gateway manager application **23002** can interface with various tools includes a DERS editor tool **23012** (to edit the drug administration library **23006**), a CQI reporting tool **23014** (to generate reports using the CQI logs **23010**), and a biomed server tool **23016** (to ensure the pump software **23008** is up-to-date and/or to download the latest software to the biomed PC tool **23028** to update the pumps **23022**, **23024**, **23026**).

[0909] The device gateway manager application **23002** also provides an interface to allow the pumps **23022**, **23024**, **23026** (or other medical devices) to communicate with various hospital systems, including a CPOE **23034**, a HIS **23036**, a EMR **23038**, a CQI Report **23040**, and a drug reference **23042** (e.g., DERS).

[0910] Various alternatives and modifications can be devised by those skilled in the art without departing from the disclosure. Accordingly, the present disclosure is intended to embrace all such alternatives, modifications and variances. Additionally, while several embodiments of the present disclosure have been shown in the drawings and/or discussed herein, it is not intended that the disclosure be limited thereto, as it is intended that the disclosure be as broad in scope as the art will allow and that the specification be read likewise. Therefore, the above description should not be construed as limiting, but merely as exemplifications of particular embodiments. And, those skilled in the art will envision other modifications within the scope and spirit of the claims appended hereto. Other elements, steps, methods and techniques that are insubstantially different from those described above and/or in the appended claims are also intended to be within the scope of the disclosure.

[0911] The embodiments shown in drawings are presented only to demonstrate certain examples of the disclosure. And, the drawings described are only illustrative and are non-limiting. In the drawings, for illustrative purposes, the size of some of the elements may be exaggerated and not drawn to a particular scale. Additionally, elements shown within the drawings that have the same numbers may be identical elements or may be similar elements, depending on the context.

[0912] Where the term "comprising" is used in the present description and claims, it does not exclude other elements or steps. Where an indefinite or definite article is used when referring to a singular noun, e.g. "a," "an," or "the," this includes a plural of that noun unless something otherwise is specifically stated. Hence, the term "comprising" should not be interpreted as being restricted to the items listed thereafter; it does not exclude other elements or steps, and so the scope of the expression "a device comprising items A and B" should not be limited to devices consisting only of components A and B. This expression signifies that, with respect to the present disclosure, the only relevant components of the device are A and B.

[0913] Furthermore, the terms "first," "second," "third," and the like, whether used in the description or in the claims, are provided for distinguishing between similar elements and not necessarily for describing a sequential or chronological order. It is to be understood that the terms so used are interchangeable under appropriate circumstances (unless clearly disclosed otherwise) and that the embodiments of the disclosure described herein are capable of operation in other sequences and/or arrangements than are described or illustrated herein.

What is claimed is:

1. A system for electronic patient care, the system comprising:

a server having an electronic medical records ("EMR") database;

a hub having a medical device application being executed within the hub;

a plurality of medical devices including a pump, each configured to treat a patient and each in communication with the hub; and

a tablet having a user interface,

wherein:

when a user updates a prescription within an EMR application via the tablet, the EMR application queries the electronic medical record database on the server to determine safety of the updated prescription for the patient;

the server communicates the determined safety of the updated prescription for the patient to the EMR application;

the hub communicates the updated prescription to the pump;

the user interface displays a confirmation request of the updated prescription on a user interface of the pump;

the pump infuses the updated prescription into the patient after a user confirms the updated prescription on the user interface of the pump;

the pump communicates a parameter to the hub;

the hub communicates the parameter to the tablet which displays the parameter on the user interface of the tablet upon receipt;

the hub includes first and second processors;

the hub, the tablet, and the pump each includes a ranging module; and

the hub, the tablet and the pump must be within a predetermined distance relative to each other as indicated by the respective ranging module prior to configuration and treatment of the patient.

2. The system according to claim **1**, further comprising a gateway, wherein the gateway is a web server of a web service and a medical device of the plurality of medical devices is a client of the web service.

3. he system according to claim **2**, wherein the web service is a transaction-based web service.

4. The system according to claim **1**, wherein a medical device of the plurality of medical devices is an infusion pump.

5. The system according to claim **1**, wherein the hub controls access from the medical device application to at least one hardware resource.

6. The system according to claim **1**, wherein the hub prioritizes access to an alarm resource.

7. The system according to claim **6**, wherein the alarm resource is a speaker.

8. The system according to claim **1**, wherein the medical device application routes the at least two alarm conditions to the tablet using an Extensible Markup Language ("XML").

9. The system of claim **1**, wherein the tablet communicates the parameter to the server.

10. The system of claim **1**, wherein the pump also broadcasts the parameter.